

Table 6. Lead isotopic data from fluvial tailings and contaminated streambed-sediment samples, Boulder River watershed, Montana

[Data are corrected for mass fractionation; uncertainties are absolute at the 95 percent confidence level and are calculated in the manner of Ludwig (1980)]

Site No.	Sample No.	Leachable Pb in ppm	$^{206}\text{Pb}/^{204}\text{Pb}$	$^{207}\text{Pb}/^{204}\text{Pb}$	$^{208}\text{Pb}/^{204}\text{Pb}$	$^{207}\text{Pb}/^{206}\text{Pb}$	$^{208}\text{Pb}/^{206}\text{Pb}$
Contaminant signatures							
2T	96-BM-115 (34S)	1400	17.927 \pm 0.011	15.556 \pm 0.014	37.992 \pm 0.046	0.86771 \pm 0.00026	2.1193 \pm 0.0013
3T	96-BM-136 (21eS)	1600	17.895 \pm 0.011	15.552 \pm 0.014	38.030 \pm 0.046	0.86905 \pm 0.00026	2.1252 \pm 0.0013
4T	96-BM-116 (55S)	1500	17.921 \pm 0.011	15.558 \pm 0.014	38.022 \pm 0.046	0.86816 \pm 0.00026	2.1217 \pm 0.0013
5T	96-BM-101 (59S)	1600	18.069 \pm 0.012	15.548 \pm 0.015	38.121 \pm 0.047	0.86047 \pm 0.00026	2.1098 \pm 0.0013
6T	96-BM-114 (43S)	1100	17.897 \pm 0.015	15.544 \pm 0.017	37.984 \pm 0.051	0.86851 \pm 0.00027	2.1224 \pm 0.0013
Overbank fluvial tailings deposits							
35S	97-BMS-104G	6500	17.925 \pm 0.011	15.560 \pm 0.014	37.997 \pm 0.046	0.86805 \pm 0.00026	2.1198 \pm 0.0013
37S	97-BMS-106G	2000	17.923 \pm 0.011	15.555 \pm 0.014	38.000 \pm 0.046	0.86786 \pm 0.00026	2.1202 \pm 0.0013
40S	97-BMS-107GA	210	17.986 \pm 0.011	15.581 \pm 0.014	38.129 \pm 0.046	0.86634 \pm 0.00026	2.1200 \pm 0.0013